

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Chu et al.

Confirmation No.: Unknown

Serial No.: Unknown

Group Art Unit: Unknown

Filed: Herewith

Examiner: Unknown

Title: METHOD, SYSTEM AND PROGRAM PRODUCT FOR MONITORING RATE OF VOLUME CHANGE OF COOLANT WITHIN A COOLING SYSTEM

To: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT OF RELEVANCE FOR INFORMATION**  
**DISCLOSED BY APPLICANT**

Sir:

The following Statement of Relevance is submitted with the accompanying Information Disclosure Citation form.

Document  
Designation

Relevance

- |    |  |
|----|--|
| BA | Equipment for detecting and shutting off leakage of water and method of detecting leakage of water wherein control valves are provided on the inflow and outflow sides of pipings for cold and hot water provided for air conditioners. A pressure drop in water leakage measuring sections is detected and occurrence of a leak of water is determined on the basis of the detection.   |
| BB | Method of detecting water leakage of hot water heating system wherein a pressure sensor detects the water pressure within a circulation path for hot water. If water leakage occurs within the circulation path, the detection value of the pressure sensor drops with the passage of time, and based on the change on standing of the detection value of the pressure sensor, the existence of the water leakage within the circulation path is determined. |
| BC | Method of detecting leakage of hot water supply system wherein pressure of a water level sensor is measured and when falls below a specified value the controller judges that a leakage is occurring in the circulation path.  |

- BD Water level sensor device which detects water level in a bath tank, etc., and a leak of a piping by detecting a leak of the piping and the water level in a low pressure bath tank, through a corrector circuit, using a high pressure type pressure sensor.
- BE Electric pot for detecting the falling and water leakage of the electric pot according to a change in pressure that is detected by a pressure sensor for detecting pressure according to a liquid level in the container of the electric pot.

Full text copies of the art cited, or the pertinent portions thereof, are enclosed. It is respectfully requested that this art be considered by the Examiner in the above-entitled application and made of record therein. The information provided and references enclosed herewith shall not be construed as a representation that a search has been made or that no other art than that identified exists.

Respectfully submitted,

December 01, 2003  
Date

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<b>INFORMATION DISCLOSURE CITATION</b> (USE SEVERAL SHEETS IF NECESSARY)	ATTY DOCKET NO. POU920030165US1	SERIAL NO.
	APPLICANT(S) <b>CHU ET AL.</b>	EL 965409099 US - Express Mail Label Number
	FILING DATE HEREWITH	GROUP

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,939,383	02/17/1976	Alm	317	123	
	AB	3,969,923	07/20/1976	Howell	73	40.5 R	
	AC	4,024,887	05/24/1977	McGregor	137	386	
	AD	4,531,405	07/30/1985	Leister	73	290	
	AE	5,283,552	02/01/1994	Sol	340	605	
	AF	5,557,965	09/24/1996	Fiechtner	73	49.2	
	AG	5,632,302	05/27/1997	Lenoir, Jr.	137	312	
	AH	5,698,117	12/16/1997	Doutt	219	86.31	
	AI	5,913,236	06/15/1999	Wodeslavsky	73	40	
	AJ	6,401,525 B1	06/11/2002	Jamieson	73	40.5 R	
	AK	US2002/0075648 A1	06/20/2002	Nakagawa et al.	361	690	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							No	YES	ABSTRACT
	BA	JP7091711A	04/04/1995	JP	F24F11	02	X		Yes
	BB	JP9178200A	07/11/1997	JP	F24D3	00	X		Yes
	BC	JP11294851A	10/29/1999	JP	F24H1	00	X		Yes
	BD	JP2000146672A	05/26/2000	JP	G01F23	18	X		Yes
	BE	JP2001218682A	08/14/2001	JP	A47J27	21	X		Yes

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	CA	Chu et al., "Scalable Coolant Conditioning Unit with Integral Plate Heat Exchanger/Expansion Tank and Method of Use", September 13, 2002, Pending Serial No. 10/243,708, 29 pages.
	CB	Simons, Robert E., "The Evolution of IBM High Performance Cooling Technology", December 1995, 7 pages, IEEE Transactions on Components, Packaging, and Manufacturing Technology - Part A, Volume 18, No. 4.

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
EXAMINER: Initial here if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. <b>Include copy of this form with next communication to applicant.</b>	